



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

January 2006 Volume 67 Number 1
club web site is www.halifax-arc.org



Have a Happy & Healthy 2006



HARC Club Station phone number - 490-6421
See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

Position Name & Call Sign	Phone #	E-Mail
President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca
First V.P. - Rob Ewert, VE1KS	826-1705	ewertr@hfx.eastlink.ca
2nd V.P. - Howard Dickson, VE1DHD	823-2024	dhdickson@hfx.eastlink.ca
Secretary - Murray MacDonald, VE1MMD	876-0661	twomacds@eastlink.ca
Treasurer - Fraser MacDougall VE1WO	865-4198	ve1wo@rac.ca
Director-at-Large: - Craig MacKinnon, VE1JMA	craig.mackinnon1@ns.sympatico.ca	
Club Station Mgr. - Brian Allan, VE1AZV	489-4656	basailor@eastlink.ca
Past President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca

Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH	835-4865	ve1wph@rac.ca
IPARN and Brit Fader Memorial QSL Bureau Manager -		
Bob Burns, VE1VCK	865-9414	ve1vck@rac.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@dal.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Dist. - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
Membership - Tom Caithness, VE1GTC	477-7081	tom.caithness@ns.sympatico.ca
Web page - Rob Ewert, VE1KS,	826-1705	ewertr@hfx.eastlink.ca
Basic ham course - Scott Wood, VE1QD	823-2761	ve1qd@rac.ca
EMO Trailer Assembly coord - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Flea market Chair - Murray MacDonald, VE1MMD	876-0661	twomacds@eastlink.ca
Field Day coordinator - Howard Dickson	823-2024	dhdickson@hfx.eastlink.ca
RAC Asst Director - Wayne Marchand, VE1WJM,	860-1580	ve1wjm@rac.ca
NSARA Director - Scott Wood, VE1QD	823-2761	ve1qd@rac.ca
Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL		

Take-15 Net Controllers

NOTE: There have been some changes.

This will be the rotation. If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill, VE1MR, know.



Jan. 15	Peter	VE1PJW
Jan. 22	Doug	VE1LDL
Jan. 29	Dave	VE1EDA
Feb. 5	Herb	VE1HX
Feb. 12	Charles	VE1MCR
Feb. 19	Chris	VA1CDB

Notice of Motion

There will be a motion to accept the budget for 2005-2006 as recommended by the executive. There will be copies of this budget available at the meeting.

NOTICE

The Dartmouth repeater autopatch now requires an access code. Contact John, VE1WZ at 434-7095

Deadline for submissions to the February Reflector is Saturday, February 4, 2006



GENERAL INFORMATION

TAKE-15 NET: Sunday evenings at 8:30 PM on VE1PSR/VHF

CLUB REPEATERS:

VE1PSR/VHF - 147.270 MHz +
VE1PSR/UHF - 444.350 MHz +
VE1PSR/6M - 53.550 MHz -
access tone 151.4 Hz

VE1HNS - 146.940 MHz -

PACKET:

VE1NSD 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

Events for Your Calendar

Amateur Radio EMO Communications Courses are scheduled for February 11 and February 25 at the EOC (Spicer Building, Dartmouth). The course is open to "first time" students and to those wishing to refresh their skills. And you do not have to be an Amateur Radio operator to take this course.

Further details are given in the article "**EMO Training**" in the 3rd column on this page

A Basic Amateur Radio Course began on Thursday, 15 September at the Club station room. Course coordinator is Scott Wood, VE1QD.

Interested in learning CW or improving your CW skills? Gary, VE1RGB, is conducting **CW training**. Contact Gary to ask about joining the class which started in early November.

January 29, 2006 – VE1BBL Memorial Contest (CW)

February 12, 2006 – VE1ALB Memorial Contest (SSB)

Getting onto the HF Bands - one-day tutorial/workshop sessions. Reservations are essential. See page 3 in this publication for details on how to reserve your seat at one of the following workshop sessions.

Saturday April 1st PM

Thursday April 6th PM

Saturday April 8th PM

2006 NSARA Picnic & AGM – Hosted by the Yarmouth Amateur Radio Club. Tentative date is the 2nd Saturday in August. Contact is Bernie, VE1UT. Check the NSARA website for developments.

The next NSARA general meeting will be at the DownEast Fleamarket, mid-May, 2006.

Fractured Zen – Before you criticize someone, you should walk a mile in their shoes. That way, when you're criticizing them you're a mile away and you have their shoes.

The Maritime Contest this winter, is sponsored by the Fundy Club. Details as follows:

January 29, 2006 – CW section (VE1BBL Memorial Contest)

February 12, 2006 – SSB section (VE1ALB Memorial Contest)

Both sections are on 80m, open to hams in the 3 Maritime provinces only.

Times: 7 – 11 AM and 2 – 6 PM local time

Exchange is: callsign, name, RST, county, Province and serial #.

Scoring: 6 points per QSO (1 point per correct exchange item) and the counties are multipliers. Also, the Memorial Stations will be a multiplier.

A plaque will be awarded for the first place in each section and certificate will be awarded for the 20+ CW and 40+ SSB contacts.

Entries must be received within 30 days by: Avery Crowell, VE1HS
P.O. Box 82
Digby, NS B0V 1A0
ve1hs@rac.ca

Hi All, the NSARA has the ability to program many of the commercial radios found on ebay or from local sources. If you are an NSARA Member the programming is a nominal \$10.00 donation. Non Member \$20.00. All monies go towards Amateur Radio Projects.

Regards, 73, Tom Cohoon VE1TA
President of NSARA, 2005-2006

If you want to use the **Club Station** for an activity please reserve your date & time with Station Manager Brian Allen, VE1AZV 489-4656
E-mail basailor@eastlink.ca

Are you up to date with your HARC membership dues?

Yearly rates are as follows:

Full = \$25 Associate = \$15

Family (2 members) = \$35 + \$10 for each additional family member at same address (only 1 newsletter)

EMO Training

There will be two Level 2 (basic) Emergency Radio Communication training courses in February 2006.

The dates are Saturday Feb 11 and Feb 25, the location will be the EOC at 21 Mount Hope Ave.

Time 0900 hrs to approximately 1500 hours, bring your own lunch, coffee will be provided.

Course content:

Overview of emergency communications

Radio nets

Message forms

Logs

Message Handling

Radiotelephone Procedures

Pro words used

Discussion session

Practical operation session

You do not have to be an Amateur Radio operator to take this course.

If you wish to take part in this course or refresh your skills please apply to one of the following persons, there is NO charge for this course.

Tom Caithness VE1GTC

Phone 477-7081 ; e-mail tom.caithness@ns.sympatico.ca

OR

Dave Musgrave VE1EDA

Phone 435-4333; e-mail david.musgrave@ns.sympatico.ca

Does anyone remember Cec Kenny ex VE1FC who may have worked at the Hartlen Point Monitoring Station?

Spud VE1BC

spudroscoe@eastlink.ca

HARC has **Anderson Powerpole connectors** for sale at

\$1.25 each (one red and one black connector for one complete end). A complete mating pair requires 2 connectors. Place orders with Tom Caithness, VE1GTC;

tom.caithness@ns.sympatico.ca

PRESIDENT'S MESSAGE

I hope everyone had a good Christmas and hope all will enjoy Happiness and Health in the New Year. The club is starting another year with a changed executive, some are old members in new jobs while others are completely new. There seems to be a lot of events coming up this year and while we are in good shape as far as chairmen are concerned we do need helpers in most events. This should be an exciting year for the club.

You may have noticed that some events each year do not happen. This is because no one has come forward to organize the event. Please consider organizing or at least helping out with an event, if each of us helps with at least one or more events then very few events will be cancelled.

If you have an idea for an event or activity, be it public or club oriented, let the executive know or write a short piece for the newsletter about it.

I would also like all of you to think about the 75th anniversary of the club coming up in 2008. There have already been some suggestions about what the club should do. Some ideas are for us to sponsor a convention based around the flea market, perhaps a DX Forum, RAC convention and AGM. There are many other ideas floating around. Talk to friends and other club members and perhaps more interesting things can be thought of. Of course be prepared to help out with these activities.

73 - Bill, VE1MR

Do you realize that in about 40 years, we'll have thousands of old ladies running around with tattoos?

Getting onto the HF Bands: one-day tutorial/workshop session

This one-day session will take place in the Bloomfield Centre (Multi-purpose Room in the morning and Club Station in the afternoon) on Saturday, April 1st 2006.

The program is being designed with the needs of Radio Amateurs that are new to the HF bands in mind. You will see from the DRAFT agenda below that this is going to be an action-packed day, and there will be plenty of handout information sheets to take away. **HOWEVER**, the agenda is not cast in stone at this point, so if you feel that topics important to you have been omitted, please let Howard (VE1DHD@RAC.ca) know ASAP and we will make every effort to accommodate your needs.

OBJECTIVES - The morning tutorial session will provide important information in a lecture-type setting, while the afternoon workshop session is designed to be hands on. The major objective of the workshop is to orient attendees to the Club Station radios. We want to ensure that everyone is comfortable operating the Club equipment, but at the same time, we want to give everyone a chance to make some on-air contacts and to develop a comfort level with the microphone in hand. We also hope to be able to show you the proper way to attach coax connectors and we will attempt to assist with the design of your antenna farm. So for the latter, PLEASE come with a to-scale drawing of your property with buildings and trees positioned.

While space in the Multi-purpose Room is not a problem – we should be able to accommodate up to 30 people comfortably – the afternoon workshop will be restricted to ten people. If our registration exceeds this limit, we will have to arrange for the "over-flow" to sign up for an alternate Workshop date.

COST – There will be a \$10 registration fee (payable at the door when you sign in on the 1st of April); this is required to cover the cost of lunch and the production and distribution of handouts.

REGISTRATION FORM

(you can get an electronic version from the HARC web site –

www.Halifax-arc.org)

Name:

Call Sign:

Additional Issues that you would like addressed:

Workshop Registration — slots in the workshops will be limited to ten people. Since we fully expect to exceed this limit we ask that you provide us with your first (1), second (2) and third (3) choice for the following workshop dates by putting the numbers after each date in order of your preference:

Saturday April 1st PM

Thursday April 6th PM

Saturday April 8th PM

A \$10 registration fee will be collected on April 1st when you sign in at the Bloomfield Centre Multi-purpose Room.

Please fill in this registration form on your computer and then cut and paste into an email and send to Howard (VE1DHD@RAC.ca).

Program DRAFT Agenda Getting onto the HF Bands: - one-day tutorial/workshop session

HF Operating Tutorial for Newly Licensed Hams

(Three hours – 9am to 12:15pm with 15 min mid-morning refreshment break – Multi-purpose Room at Bloomfield)

(Continued on page 4)

Getting onto the HF Bands (*Continued from page 3*)

- * Radio Equipment
- * Radios (New vs Used)
- * Microphone (hand/desk/boom)
- * Antennas (Vertical vs Dipole vs Beam)
- * Coax (what type and why?)
- * Connectors (How to properly put a connector on Coax)
- * Computer Equipment
- * Computer
 - o What speed and capacity is necessary?
 - o Two serial ports are nice to have – Why?
- * Rig Blaster (optional)
 - o What does it do?
 - o What communication options does it make available?
- * Internet connection
 - o Why would you want this?
 - o Ham radio uses:
 - o High speed is ideal if you can manage it.
- * Logging software (DX4Win –for general logging / N4MM or WriteLog for contesting)
 - * Organizing the Shack
 - * Where in the house is best?
 - * How much space do I need
 - * Sound proofing!
 - * Power requirements
 - * Station grounding – this is CRITICAL!
 - * Internet connection
 - * The Antenna Farm
 - * – do a plot plan for a standard city lot with house, both with and without trees for vertical use and/or dipole. How much space do I need?
 - * What about the neighbours (i.e. TVI)
 - * Planning the layout of antennas
 - * Tower and antenna restriction issues
 - * What are the options for apartment and condo dwellers, or those living in covenant-restrictive subdivisions?
 - * Different Operating Modes
 - * CW
 - * Digital (RTTY / PSK-31)
 - * SSB (Phone or Voice)
 - * Tuning an HF Rig in SSB Mode
 - * How does it differ from VHF or UHF?
 - * Dealing with QRM (interfering stations on crowded bands)
 - * Dealing with QRN (atmospheric and natural noise – i.e. working in city vs. country)
 - * Where, When & How do I operate?
 - * Which bands / Which frequencies / What time of day – do up handouts with basic data from Regs and Propagation section of course
 - o Go over the HF band plan with reference to CW/Digital/Phone areas
 - o Talk about differences US / Canada & Europe
 - o Go over different band propagation issues from basic course
 - * How much power do I need? (QRP / Low Power / High Power – legal limits linked to license – Basic vs Advanced)
 - * Operating Etiquette
 - * How HF differs from VHF/UHF
 - * Calling and Answering a CQ in HF mode

- * Once I make a contact, what do I talk about?
 - o Your station
 - o Yourself
 - o Weather
 - o BUT NOT – politics; religion; war or sex!
- * Types of operating
- * Rag Chewing
- * DX-ing (building: 1) your country list; and 2) your band-country list – what is the difference?
- * Contesting
- * Why do some Hams seem to "brush me off"?
- * The language barrier
- * Logging my Contacts
- * (Paper Logs or Electronic Logs) Confirming my contacts
 - * – how do I do that and why? QSL Cards (Direct or Bureau) – do up summary sheets for Bureau
 - * Electronic QSLing (Logbook of the World or eQSL.cc) – do up summary sheet for LotW getting on the system.
 - * Maintaining Harmony at Home !!!!

LUNCH – (12:30 to 1:00pm) provided in multi-purpose room.

Hands On Workshop (Club Station)-(1:00pm to 4:00pm)

- based on the number of registrants, there may be a need to split the group up and provide alternate days (weekend; weekdays or evenings) to get the whole group through the Station Orientation.

Objective is to give everyone a chance to make an HF contact and to be instructed in the operation of both the FT990 and FT1000:

* turning on computer; loading logging program; antenna selection (how the remote switch works; turning on radio and tuning in a station; making a contact).

* Turning on the power
 * at the radio station (everyone must become familiar with both rigs – this session to be followed by a one-on-one with Brian for Station Certification and receipt of door pass code)
 Turning on the computer

* Loading the logging software (DX4Win)
 * Tuning an HF Rig in SSB Mode
 * How does it differ from VHF or UHF? (Use some audio files here)
 * Changing bands
 * Antenna switch – selecting the correct antenna
 * Dealing with QRM (interfering stations on crowded bands) – show some examples in real time and how to avoid
 * Dealing with QRN (atmospheric and natural noise – i.e. working in city vs. country)

* Making a contact
 * (everyone makes at least one contact on each of the two rigs).
 Logging the contact

* (on computer) What if the computer log fails?

* Logging the paper way.

* The Antenna Farm
 * Demonstration
 of coax preparation and connector soldering

Designing the Antenna Farm Layout (PLEASE come with a to-scale drawing of your property with buildings and trees positioned and we will help you to design an appropriate arrangement for your antennas)

D. Howard Dickson - VE1DHD

Scam Alert... re:controversial ham op: Roman Stepanenko
Passed on by Doug, VE1DFG

Known as Romeo , around the early 1990's came out of the blue to activate sum of the rarest of the rare dxcc countries his home call was UB5JRR frm the UKRAINE he also aquired AH0M as a stateside call his most famous/ controversial operations were: 3W3RR-Vietnam, 1S0RR-Spratly Is, XY0RR-Burma, and the infamous P5RS7-North Korea The North-Korea op. was widely discredited, and it is certain to have been from Asiatic Russia papers : permits/visas/op permit were deemed to be forged He dissapeared after the North-Korean operation. In the spring of 2004 Roman VEGA (real name) also known as: Roman Stepanenko, and on internet as BOA as in constrictor! was charged in the U. S. courts with: wire-fraud, aiding and abetting, unauthorized access to devices with intent to de-fraud ... Etc He had been found living in Cyprus and operating a network of credit card scams, which led to illegal activity netting millions of dollars. He has been charged, extradited frm Cyprus, and is confined to a California jail, bail was denied as he is a flight risk. He is awaiting a trial due to start in coming months. A precipitous fall from grace, don't be persuaded to further contribute to his pockets, if appeals are launched. charges are in United States district court, northern dist. of California. See various internet sites for updates on future trial events.

Puzzler- Do You Know?

Maximum permissible transmitting power levels are set out in the Radio Regulations. The regulations also limit the maximum power that a transmitter may be capable of producing. The two are not necessarily the same.

What is the maximum legal power level that a transmitter can produce?



Answer to puzzler is on page 9

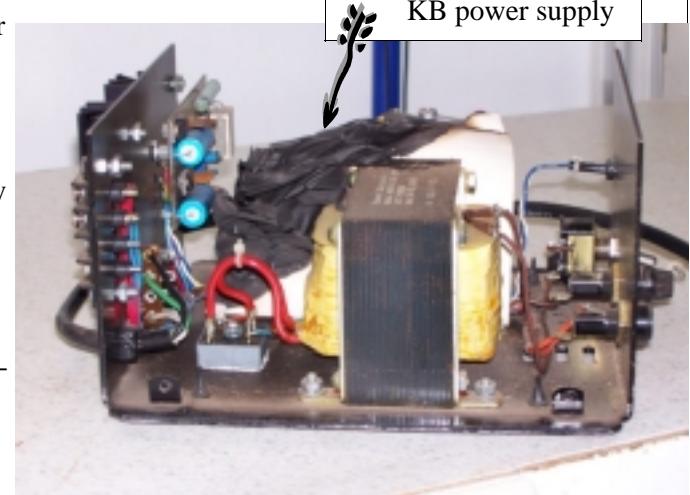
We had a "close call" at the Summerside Clubhouse when the KB Electronics 120-12-8 power supply "burnt up"...literally! KB in their wisdom put the schematic and info for the power supply inside the case and in this situation the paper was touching a wire wound resistor...green in photo. Something has shorted in the supply causing the resistor to heat up...actually glowing red, catching the paper on fire. Fortunately there was nothing on top of or close to the power supply which could have caused the fire to spread and causing a more serious situation.

I would suggest that anyone who may be using a KB Electronics Limited power supply pull the cover off the unit and check to see if the info for the supply is inside the case, if so remove it so not to have a similar situation occur! I have worked on several of these power supplies and this is only the second or third unit I have come across with the schematic and info folded up inside the case. The KB power supplies were manufactured in Bedford, N.S. and used for many years by Maritime Tel. & Tel. (Aliant) Mobile Radio Dept. to power radio equipment, so there should be a lot of these units out there still in use.

The paint scheme for these supplies were cream with a black face plate and later versions were light gray with a dark gray face plate.

Please feel free to forward this info to anyone who might be interested or is using a KB power supply.

- Ken VY2RU



Burned paper inside the KB power supply

Information about BPL & Amateur Radio is on the ARRL Web site
<http://www.arrl.org/tis/info/HTML/plc/>

From the Regina newsletter **EU LAUNCHES NAVIGATION SATELLITE**

A new era in satellite navigation has begun with the launch of Giove-A. The 600kg spacecraft was lifted into orbit on a Soyuz rocket from Baikonur, Kazakhstan, at 0519 GMT. Giove-A will demonstrate key technologies needed for Galileo, the \$4B sat-nav system Europe hopes to deploy by 2010. The new network will give EU states guaranteed access to a space-borne precise timing and location service independent of the United States.

From the ARRL Letter, Vol. 24, No. 44, November 11/05

DXCC Desk accredits operations: The ARRL DXCC Desk has approved these operations for DXCC credit: 6O0JT, Somalia, September 30, 2004 through April 30, 2005; 5X1W, Uganda, August 3-12, 2005; DX0K, Spratly Islands, February 1-April 30, 2005. For more information, visit the DXCC Web page <<http://www.arrl.org/awards/dxcc/>>. "DXCC Frequently Asked Questions" can answer most questions about the DXCC program. ARRL DX bulletins are available on the W1AW DX Bulletins page
<http://www.arrl.org/w1aw/dx/>

**Halifax Amateur Radio Club
Minutes of the General Monthly
Meeting of Wednesday,
November 16th, 2005**

President Bill (VE1MR) called the meeting to order at 1930 with 34 members in attendance.

Executive in attendance:

Bill Elliott (VE1MR) – President; Fraser MacDougall (VE1WO) – First Vice-president; Howard Dickson (VE1DHD) – Secretary; John Goodwin (VE1CDD) – Treasurer; Pat Kavanaugh (VE1PHK) – Station Manager, and Tom Caithness (VE1GTC) – Member-at-Large.

Regrets: Darryl Perrin (VE1HUP) – Second Vice-president; Dick Grantham (VE1AI) Past-president

Silent Keys: VE1AVH – Bruce Phillips of Halifax; VE1WI – Howie McKay of Sydney.

Guests: None

Minutes of the monthly meeting of October 19th, 2005:

MOTION - Approval of the minutes of the October monthly meeting as published in the November 2005 Reflector was moved by Doug (VE1LDL) and seconded by Jason (VE1PLF).

Motion carried.

Executive Reports:

Treasurer – John (VE1CDD) reported an October ending bank balance of \$10,198.25 with \$1,682.96 in outstanding cheques not yet cashed. A hard copy of the report is appended to the hard copy of these minutes. John reported that the Brit Fader Scholarship Trust has now reached a total of \$10,091.07.

MOTION – acceptance of the Treasurer's Report was moved by Murray (VE1MMD) and seconded by Dave (VE1NN).

Motion carried.

Secretary – Howard (VE1DHD) had nothing to report.

President – Bill (VE1MR) had nothing to report.

First Vice-president – Fraser (VE1WO) reported that there had

been no interest expressed in the TA-33Jr 3-band antenna that the Club had up for sale this month.

Second Vice-president – Darryl (VE1HUP) was absent, but President Bill indicated that the door prize for the evening was to be a set of two electronic hot/cold mugs.

Station Manager - Pat (VE1PHK) reported on a successful Fall Arrest course that was taught by John Logan and held in the Club Station on the previous weekend. Eight Club members took the course and all found it to be excellent, both in composition and presentation. During the course it became obvious that there was a need for special equipment to carry out "high-angle" rescue where the height exceeded that of fire-department ladder extension. This is being investigated, as is the availability of equipment that would be necessary for such rescue operations.

Member-at-Large – nothing to report.

Past-president – Dick (VE1AI) – absent.

Committee Reports:

Membership – Tom (VE1GTC) reported that there was a total of 155 fully-paid members in the Halifax ARC in 2005. As of this date, there are 29 fully-paid members for 2006.

Search & Rescue – Dave (VE1AJP) reported that the S&R Team is now in possession of two Globe Star Satellite phones for their use.

EMO – Dave (VE1AJP) – nothing to report.

Flea Market 2005 – Murray (VE1MMD) reminded members that the 2006 Down East Flea Market that will take place on Saturday May 13th, 2006. Notification of this event has been posted on the RAC Flea Market site and with the Ontario Swap Shop.

Old Business: None

If you look like your passport picture, you probably need the trip.

New Business:

Christmas Party 2005 – President Bill announced that the date for the HARC Christmas Dinner had been set for Wednesday, December 21st. Two locations offering Chinese food were discussed (China Town and the Dragon King Buffet) but both options were discounted. Several additional suggestions were made from the floor, including a Pizza Buffet and the Fleet Club. The membership present charged the Executive with the task of selecting an appropriate place for the Christmas Dinner. The membership set several criteria for the location and meal – 1) that the cost including tax and gratuity fall within the range of \$15 to \$20/person; 2) that there be comfortable seating for up to 75; 3) that there be adequate parking.

Reports & Announcements:

EMO – Tom (VE1GTC) reported that there was to be an EMO-Amateur Radio Communications training course on Saturday, December 3rd, 2005. Nine people were already registered. It was pointed out that those currently taking the Ham Radio Course were also eligible to take this EMO communication training.

Bob (VA1TX) reported that he has acquired a new call sign (VE1TXL) and will now be using the latter as his standard call.

50:50 Draw – the draw (\$20.50) was won by Howard (VE1DHD).

Door Prizes – Bob (VE1PQ) was the winner of the electronic thermal mugs..

Motion – Moved by Pierre (VE1PTR) that the meeting be adjourned.

There was a 15-minute social and refreshment break, followed by the HARC Annual General Business Meeting (minuted separately).

Respectfully submitted by:
D. Howard Dickson – VE1DHD
Secretary, Halifax Amateur Radio Club

DX n' HF

Dx-peditioning doesn't have to involve balancing on a coral atoll in the middle of the Pacific. Some years ago Fred (now VE1FA) made contacte with Dave, VE9AT, the only ham who resides on Whitehead. Dave arranged for the use of the Island's school house for a group of hams from the West Island Club (Montreal)

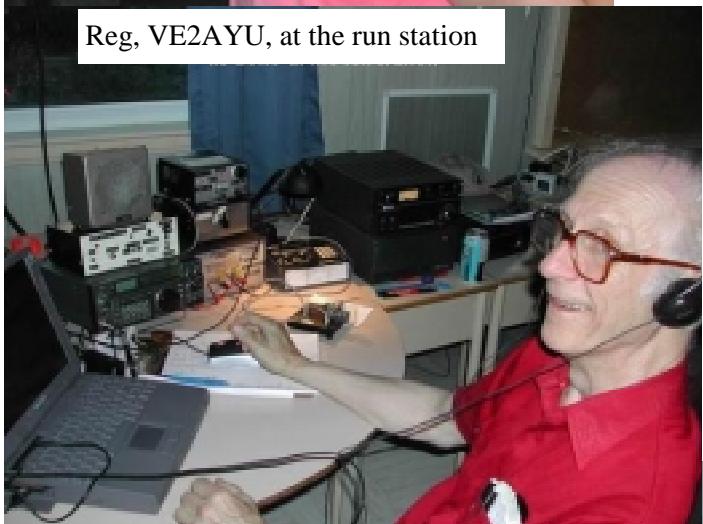
Fred, Helen, VA1YL, and a varying group of hams have now done IOTA from Whitehead 3 times, enjoying the Island, the hospitality of the people who live there, the DX'ing and sharing the hobby with visitors. For our 2005 dxpedition, we acquired a special callsign, VC9W, to celebrate the 200th anniversary of the settlement of Whitehead Island



Helen,
VA1YL, and
“Islander”,
Doug, at the
run station.
Doug enjoyed
making
4 contacts



For a week this past July/August both the Canadian flag and the Red Ensign waved over the Whitehead Island school house during the IOTA contest.



Reg, VE2AYU, at the run station



Gary, VE1RGB, and our host Dave, VE9AT,
at the multiplier station.
Dave seemed to enjoy our visit as much as we did.



Fred, VE1FA &
Bill, VE1MR

NOTICE

The Reflector is now available in PDF format. Those wishing to save the club printing and postage can request to receive it by E-mail and print it off on their own printer. (and the photos are in colour)
Send request to Lynn Bowser at: ve1ent@rac.ca

*Doctor Bell fell down the well and broke his collar bone
A doctor should attend the sick and leave the well alone*

Have you any photos, comments, articles you would like to share via the HARC Reflector? Please send them to the HARC Reflector editor, Lynn Bowser

From: Canadian_Amateur_Radio_Group@yahoogroups.com
 On Behalf Of Sohail Anjum - VE3ITU

Canadian's fears over the future of 40-metres ... Will the broadcasters finally vacate the upper part of the Amateur 40 metre band after WRC 2007 - or will we lose the range from 7200 to 7300 kHz ?

Background

There are over 3 million licensed Amateur Radio operators around the world, and the 7000 kHz band is one of the most heavily used. In Region 2 (the Americas) the band 7000 to 7300 kHz is allocated to the Amateur and Amateur Satellite services on a primary basis. Until 1938, this was a worldwide allocation.

Beginning in 1938 and at successive World Radio Conferences, the upper portion of the band has been gradually transferred to the HF Broadcasting service in Regions 1 and 3 (the rest of the world), so that since 1979, only the band 7000 to 7100 kHz has been available for Amateur use worldwide.

Status at the beginning of 2005

Presently, short wave broadcast stations in Europe, Africa and Asia are licensed to transmit in the frequency range from 7100- 7300 kHz. Furthermore, amateurs operating in the 40-metre band in the Americas must accept any interference caused by the broadcasters. Outside the Americas, most amateurs have only 7000- 7100 kHz, although since 2003, some are allowed to use 7100-7200 with limited power, on a non-interfering basis.

In 2003 after a lot of hard work by the IARU, strongly supported by Radio Amateurs of Canada, we succeeded in getting a ruling from the International Telecommunications Union (ITU) to remove broadcast stations from 7100 to 7200 kHz beginning in 2009, and to allow amateurs in those countries to increase the size of their 40 metre band from 100 kHz to 200 kHz.

At the next World Radio Conference

in 2007, we have another chance to finish the job. The remaining range from 7200 to 7300 kHz is now being reviewed. The gains made at 7100-7200 kHz by the amateur service at WRC-2003 are not subject to the review, but because of the claimed needs of other radio services around 7 MHz, there is a very real danger that the amateur service in Canada could lose or at least be forced to share 7200-7300 kHz. We cannot be complacent.

Responding to the challenge, the IARU has maintained its objective of a world wide exclusive allocation to amateurs for the full range from 7000 to 7300 kHz, and has argued in favour of such a change at the pre-conference study meetings taking place at the ITU.

RAC has followed the IARU lead, but so far no consensus has been reached with other spectrum users in Canada. Although we already have the full 300 kHz, moving broadcasters out of the top 100 kHz in other regions is not popular amongst two groups in our country.

First, the Canadian short-wave broadcasters – mainly Radio Canada International, would be happy to see us give up the top 100 kHz so that they could use it for broadcasting here. They have not taken a strong position however, and we may be able to convince them to stick with the status quo.

Secondly, the other principal users of the HF spectrum, the fixed and mobile users – mainly the Department of National Defence, do not want to give up any spectrum to broadcasters, and any upward movement of broadcasters in other regions might well be traded for broadcast access to spectrum currently being used by DND in Canada. That is what happened in 2003, with Canadian fixed users losing 50 kHz of bandwidth.

Also we have the rest of the world to convince. Prospects do not look good. In spite of strong lobbying by the ARRL, in 2003 the fixed

and broadcast interests ensured that the US did not support an expansion of the 40 metre amateur band in other parts of the world. There is no reason to believe that they will be more supportive in 2007.

Most countries in Asia strongly resisted any expansion of their 40 metre amateur bands in 2003, with India and Korea taking the lead. Their broadcasters were not happy that they will lose the segment from 7100 to 7200, and have already made it clear that they will once again oppose any expansion in 2007. Although, like us, Australian amateurs already have access to the full 300 kHz, Australia is also opposed to any further expansion in other parts of the world.

European countries, after much arguing, finally agreed to support the amateur case in 2003, but CEPT, which represents the interests of up to 40 countries including many of the former Soviet countries, has made it clear that they do not intend to support us this time around. Russia is almost certain to oppose new amateur allocations.

In 2003, we were able to enlist the support of the majority of Central and South American countries. But, given strong fixed interests and some broadcast interests, it is unlikely that they will support a further increase to the worldwide amateur allocation in 2007 unless it includes some sort of sharing which would ease the burden on fixed and mobile users.

Africa might be convinced to support us, based on amateur capabilities for disaster relief communications. Almost all Arab countries have little sympathy or interest in amateur radio, and can be counted on to oppose any change to existing amateur bands.

Reading the above would certainly convince most amateurs that our chances at WRC 2007 are almost negligible. Only representatives of countries have a say in the outcome of a World Radio Conference. Organizations like the IARU can twist

(Continued on page 9)

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arms, but are not permitted to argue from the floor during conference meetings. So, our best hope is to come up with strong convincing arguments for why we need the full 300 kHz worldwide. Both RAC and the IARU are hard at work preparing to meet the challenge.

RAC played a strong role in the negotiations at WRC-03, and had a major impact on the outcome. Thanks to the support of DARF donors, Jim Dean, VE3IQ was a key player for the entire duration of the WRC. Jim has once again been chosen by the RAC Board to be the Canadian Amateur Radio representative at WRC 2007.

Attending a WRC can cost up to \$10,000 per person, even with "seat- sale" airfare, and minimal hotel and meal expenses. RAC does not have the resources to pay for Jim's attendance at a WRC, and so he has to depend on the generosity of Canadian donors to the DARF fund to cover his costs. Please consider donating. Donations may be made by cheque or credit card. Cheques should be made out to "The Defence of Amateur Radio Fund", and may be sent by mail to: Defence of Amateur Radio Fund, 720 Belfast Road, Suite 217, Ottawa Canada, K1G 0Z5

Why did Kamikaze pilots wear helmets?

From the ARRL Letter, Vol. 24, No. 42, October 28, 2005, RAC president, board pledge greater support to ARES/NTS: Radio Amateurs of Canada President Earle Smith, VE6NM, and RAC's Board of Directors have committed to increasing tangible support to RAC's Field Organization, including its Amateur Radio Emergency Service (ARES) and National Traffic System (NTS). The move is part of an effort to heal rifts that have developed within RAC's Field Organization. Smith, speaking to RAC ARES volunteers during an address in Ontario, said the importance of RAC's Field Organization needs to be brought to the forefront in discussions at all levels of government to enhance the image of Canada's Amateur Service. In turn, he called on ARES/NTS field volunteers to present a professional and unified front to gain the public recognition they deserve. "The Field Organization and ARES/NTS must be taken seriously, must be recognized as an integral operating arm of Radio Amateurs of Canada, and must be promoted as such," Smith concluded. The text of his remarks is on the RAC Web page

< http://www.rac.ca/downloads/RAC_ARES_StatementofPurpose_2005-10-24.pdf >

Cleaning Tip Dirt: Layers of dirty film on windows and screens provide a helpful filter against harmful and ageing rays from the sun. Call it an SPF factor of 15 and leave it alone.

Summerside Amateur Radio Club – Break in & Theft

As well as the equipment listed below several computers, routers and servers for the Summerside Community Network, now Route 2 Wireless was also removed from the same building. No Amateur Radio equipment was taken during this break in. The Summerside ARC computers had several Amateur Radio related programs loaded on them such as UI-View and EchoLink. Please ask your Club members, via meetings or local Nets to be on the look out for any of this equipment. Any information on the missing equipment can be forwarded to the Summerside Police or your local Police Services.

Thanks - Ken VY2RU

Original Message : CLUBHOUSE INVASION

I am sorry to announce that the Clubhouse on Harvard Street was broken into Wednesday night, November 16, 2005. The following is a list of items that were stolen from the clubhouse:

- 2 - Pentium III "Spirit" flat desktop computers.
- 1 - Compaq Pentium II desktop computer tower.
- 1 - Older Pentium I clone tower computer (no hard drive)
- 1 - Lexmark Z45 Inkjet printer.
- 1 - 1 D-Link DI-604 router serial # D904143006892 (less power supply).
- 1 - 1 NEC Multisync 700 17" flat screen monitor (had label maker tape on the front which read VY2FF).
- 1 - black Dell 17" flat screen monitor

Please keep your eyes and ears open for any of these items. Because of this the web cluster and the photo gallery on the website will be down. If you have any information please contact Richard VY2WRV.

73, Rodney VY2CGA, Secretary

Answer to puzzler on page 5

What is the maximum legal power level
that a transmitter can produce?

Quoting RIC-2, section 10. The transmitting power of an amplifier at an amateur station shall not be capable of exceeding by more than 3 dB the limits on transmitting power described in this section. Therefore it would not be legal to have an amplifier which can put out more than twice the power limit on a specific band.

FOR SALE

RCA CR-91, condition unknown but looks complete, rack mount no case. Asking \$150. Also a pair of Heathkit SB-101 transceivers with matching speakers and power supplies. Only simple testing was done, one radio is working and was tested on the air. The other is not working, it is for repair or parts. Asking \$250 or reasonable offer for the pair. Contact Fraser, VE1WO at 865-4198 or ve1wo@rac.ca



Go to URL <http://www.qsl.net/n9bor/morse.htm>

That link will take one to absolutely everything -- EVERYTHING! a person would ever want to know about CW, including formats for typical messages, etc.

Gary, VE1RGB

In addition to the regular Q signals used in everyday ham conversation, there are also special QN signals that were designed for net use only. The following table lists these signals with their meanings. Several of these are almost never used as questions so unlike the regular Q signal list, this table lists only a general meaning for each. I have also included a few other Q signals that are not QN's, but are used generally only in nets.

This list courtesy of K3WWP's Ham Radio Activities <http://home.alltel.net/johnshan/>

Q Signal Meaning

QNA	Answer in prearranged order
QNB	Act as relay between and
QNC	All net stations copy
QND	Net is directed
QNE	Entire net please stand by
QNF	Net is free
QNG	Take over as Net Control Station (NCS)
QNH	Your net frequency is high
QNI	Report into net -or- I report into net
QNJ	Can you copy?
QNK	Transmit message(s) (for) to
QNL	Your net frequency is low
QNM	You are QRMing Please stand by
QNN	Who is net control station? -or- Net control station is
QNO	Going out of net
QNP	Unable to copy you or
QNQ	Move frequency to and wait for to finish handling traffic. Then send him traffic for
QNR	Answer and relay (or receive) traffic
QNS	Following stations in net

Q Signal Meaning

QNT	Leaving net temporarily (or for ... minutes) -or- I request to leave net temporarily, etc.
QNU has traffic for you: await instructions
QNV	Establish contact with on this frequency. If successful, move tokHz and send him traffic for
QNW	Through whom shall I relay message for
QNX	You are excused from the net -or- I request to be excused from the net
QNY	Please shift to another frequency (or tokHz) to prevent QRMing other net stations (or to clear traffic with)
QNZ	Zero beat your signal with mine
QSG	Send ... messages at a time -or- Shall I send ... messages at a time
QTA	Cancel nr ... as if it had not been sent -or- Shall I cancel nr ... as if it had not been sent?
QTB	Do you agree with my number of words? -or- I do not agree with your number of words; I will repeat the first letter of each word and the first figure of each number.
QTC	How many messages have you to send? -or- I have ... messages for you or for



For those who have difficulty converting units

- ◊ 16.5 feet in the Twilight Zone = 1 Rod Serling
- ◊ Half of a large intestine = 1 semicolon
- ◊ Shortest distance between two jokes = A straight line
- ◊ 2.4 statute miles of intravenous surgical tubing at Yale University Hospital = 1 IV League
- ◊ 2000 mockingbirds = 2 kilomockingbirds

From the Regina newsletter courtesy of Rob VE1KS USE IT OR LOSE IT - WE LOST IT

To no ones surprise, Industry Canada has announced that the portion of the 220 MHz band from 220 to 222 MHz will be withdrawn from the amateur service January 25th and assigned to commercial service. RAC has launched an objection to this action. To soften the blow, IC says that amateur operation on this band may be allowed under exceptional circumstances such as emergency communications. The US lost this portion of the band 16 years ago but Canada was allowed to continue to use it, albeit with restrictions on stations located near the US border. Complete details are available at: <http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/sf08494e.html>

The lone survivor in the West Virginia coal mine, Randal L. McCloy Jr. of Philippi WV turns out to be a ham, KC8VKZ. He remains in hospital in Pittsburgh with critical injuries. Hams wishing to send Randy get-well QSLs can do so at
Box 223, Philippi WV 26435

Opportunities always look bigger going than coming.